

INTERNATIONAL SEARCH REPORT

10/530196
 Rec'd PCT/PTO 04 APR 2005
 PCT 02/00771

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B22C9/04 B22C9/10 B22C7/06 B22C7/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B22C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

WPI Data, PAJ, EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GB 2 347 888 A (BAKER HUGHES INC) 20 September 2000 (2000-09-20) claims; figures	1
X	FR 2 613 659 A (PEUGEOT ;CITROEN SA (FR)) 14 October 1988 (1988-10-14) claims; figures	1,11
A	EP 0 092 690 A (NISSAN MOTOR) 2 November 1983 (1983-11-02) abstract; figures 1-3	1-14
A	US 4 093 018 A (TRUMBAUER DAVID V) 6 June 1978 (1978-06-06) abstract	1-14

☐ Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- * & * document member of the same patent family

Date of the actual completion of the international search

13 June 2003

Date of mailing of the international search report

23/06/2003

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PC 02/00771

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
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			US	6305458 B1	23-10-2001
FR 2613659	A	14-10-1988	FR	2613659 A1	14-10-1988
EP 0092690	A	02-11-1983	JP	58184040 A	27-10-1983
			AU	1362983 A	17-11-1983
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			MX	149059 A	16-08-1983
			US	RE31488 E	10-01-1984